

## ABSTRACT OF THE DISCLOSURE

A homeotropic alignment liquid crystal film used for an optical film of a visual display etc. is manufactured by a method in which a side chain type liquid crystal polymer comprising a monomer unit (a) containing a liquid crystalline fragment side chain and a monomer unit (b) containing a non-liquid crystalline fragment side chain is coated on a substrate on which a vertical alignment film is not prepared, and the liquid crystal polymer is fixed while maintaining an alignment state after the liquid crystal polymer is homeotropically aligned in liquid crystal state.